

## Claims

The process of verifying the dose delivered to the patient by computing the value of the dose and dose distribution to the patient from the measured actual individual radiation fields applied to the patient, the measured fields calibrated so that the dose to the patient in absolute units can be determined and displayed for comparison with the dose prescription:

An image to be captured of each radiation field that is to be applied to the patient.

The image to be calibrated in units that a dose algorithm can use to calculate the dose to the patient.

An electronic computer to process the calibrated field images with a stored program to convert the images if need be to the proper units and to define the orientation of the images if not all ready defined.

The electronic computer with a stored program to compute the dose and dose distribution to the patient using the above measured field images to define the input fluence for each radiation beam.

The resultant dose computed by the stored program to be used to verify and quality control the treatment applied or to be applied to the patient.